

STAFFORD COUNTY SCHOOL BOARD

Agenda Consideration

TOPIC: A/E Design Services: ES2008

ITEM NO.: 13E

PREPARED BY: Scott Horan,
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Planning & Construction

MEETING: November 15, 2005
ACTION DATE: November 15, 2005

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Assistant Superintendent
for Support Services

ACTION REQUESTED BY THE SUPERINTENDENT: That the School Board select and approve the design prototype to be used for ES2008.

KEY POINTS:

1. SCPS enrollment projections have identified a requirement for a new elementary school to open in September 2008 supporting projected growth in the southern portion of the county. At the July 2005 retreat, School Board members received a detailed briefing on the future development/use of the Gari Melchers Complex including the feasibility of constructing either (one or two-story) SCPS elementary school prototype at the complex. On September 13, 2005 the School Board selected the Gari Melchers Complex for the site of ES2008. Staff plans to initiate the design process including county TRC review no later than February 2006. Prior to initiating the design effort, an elementary school prototype design needs to be selected no later than January 2006.

2. SCPS currently maintains two elementary school prototype school designs (Moseley one-story and Grimm + Parker two-story design). SCPS has used the one-story Moseley design extensively throughout the county. The two-story Grimm + Parker design is new, was developed as part of the recent PPEA effort, and has not been used in the county. The following are a list of pros and cons associated with each option:

a. Moseley one-story prototype

a. Pros:

- i. Cost – staff estimates the total building cost for the one-story to be less than the two-story due to types of building materials and issue of building on a second story; good cost data exist for this prototype.
- ii. Familiarity – SCPS has constructed the modern version of the one-story design more than five times and have worked through many of the construction and design issues encountered during construction.

b. Cons:

- i. Size/Footprint - one-story building footprint is larger than the two-story and will require more physical space. Gari Melchers Complex can accommodate either prototype and not adversely impact the school operations. There may be some additional grading/site work requirements with the one-story design.
- ii. Construction Time – the one-story required construction sequencing and subsequent construction performance period may be longer than the two-story.

c. Neutral:

- i. Energy Performance – the mechanical/electrical designer is the same designer for both prototypes. The designer estimates there will be no appreciable difference in energy performance between the two designs.

b. Grimm + Parker two-story prototype

a. Pros:

- i. Educational Program – some enhancements to the overall educational program are included in the two-story design.
- ii. Size/Footprint – two-story building footprint is smaller than the one-story design and may require less site work.

b. Cons:

- i. Cost – staff estimates this design will cost more due to material types and type of construction; no good cost data exist for this prototype.

c. Neutral:

- i. Energy Performance – the mechanical/electrical designer is the same designer for both prototypes. The designer estimates there will be no appreciable difference in energy performance between the two designs.

3. On October 11, 2005 staff presented (for information) this agenda item. The Board requested additional information on the two-story prototype and what areas might be impacted by a reduction in square footage. The architect offers the following potential design changes:

A. Eliminate corridor between Gymnasium and Administration suite.

This corridor was included to access the day care function planned for Conway Elementary School and would not be needed for a typical elementary school.

B. Eliminate the separate gym and cafeteria and provide a multi-purpose

Cafeteria / Activity room.

C. Reduce the Extended Learning areas. These areas are useful for small group instruction and flexible teaching arrangements and were desired by the educational staff that reviewed the plans when there were being developed

D. Eliminate small storage or office spaces not specifically included in your prototype program. The building may include some minor spaces that are larger than the proto-type program, or added to the proto-type program. We would need to reduce and/or remove these to reduce the square footage to the minimum.

SCHOOL BOARD GOAL: #5 – Provide facilities that promote student learning and and community support.

#7 – Provide school environments where teachers are safe to teach and students are safe to learn.

FUNDING SOURCE: VPSA – ES2008

AUTHORIZATION REFERENCE: Stafford County School Board Policy 4-12
Stafford County School Board Policy 4-29